

## **ATTACHMENT A**

California Regional Water Quality Control Board  
North Coast Region

Monitoring and Reporting Program  
Order NO. R1-2000-##\*

for

THE PACIFIC LUMBER COMPANY, SCOTIA PACIFIC LLC, AND SALMON CREEK  
CORPORATION  
FRESHWATER CREEK OWNERSHIP

Humboldt County

### **I. WATER QUALITY MONITORING**

Prior to commencing harvest on any Timber Harvest Plan in the Freshwater Creek watershed submitted on or after November 16, 2000, the Discharger shall implement water quality trend monitoring and project monitoring as described below to the Regional Water Board:

#### **A. Instream Trend Monitoring**

1. Prior to commencing harvest on any Timber Harvest Plan in the Freshwater Creek watershed submitted on or after November 16, 2000, but no later than February 15, 2001, the Discharger shall submit a draft instream trend monitoring plan and implementation schedule which adds the following water quality monitoring component to the Discharger's existing monitoring efforts:

"Track and evaluate changes in instream water quality including, but not limited to, turbidity, suspended sediment, and temperature."

This monitoring plan shall include data quality objectives, QA/QC protocol, sampling locations, sampling frequencies, and defined statistical performance parameters (coefficient of variation, confidence interval, etc.) necessary and data analysis methods. The plan shall be presented in a similar format and to the same level of detail as that contained in the final monitoring plans for North Fork Elk River and Bear Creek dated June, 1998, and April 1998, respectively.

2. By no later than May 15, 2001, the Discharger shall submit a final in-stream trend monitoring workplan and implementation schedule.
3. Following approval of the instream trend monitoring and implementation schedule by the Regional Water Board's Executive Officer, the Discharger shall implement the instream trend monitoring plan until it can be demonstrated that instream water quality is in compliance with water quality objectives, and that the beneficial uses have been restored.

## B. Timber Harvest Plan Compliance Monitoring

1. 45 days prior to commencing harvest on any Timber Harvest Plan in the Freshwater Creek watershed submitted on or after November 16, 2000, the Discharger shall submit to the Executive Officer a draft monitoring proposal and implementation schedule to evaluate compliance of representative timber harvest plans and related activities including watercourse crossings with the water quality objectives and prohibitions contained in the Basin Plan. The monitoring program shall employ a design that has the statistical power to detect changes in turbidity and suspended sediments of 20% above background with 90% confidence for watercourses which can be potentially impacted by timber harvesting and related activities.

The monitoring program shall propose methods to obtain the following information:

- i) Natural background rating curves for turbidity and suspended sediment as a function of flow rate.
- ii) Ambient/pre-harvest conditions for turbidity and suspended sediment in relation to background.  
Note: The Discharger shall implement the background and ambient/preharvest monitoring components prior to commencing timber harvest operations.
- iii) Active and post-harvest monitoring of turbidity, suspended sediment and stream flow to measure compliance with water quality objectives.

Pre, during, and post- harvest monitoring shall include measurements during base flow and significant storm events to enable a statistically valid description of instream water quality.

2. Following approval by the Executive Officer, the Discharger shall implement the Timber Harvest Plan compliance monitoring in accordance with schedule approved by the Executive Officer.
3. The compliance monitoring shall continue until it can be statistically demonstrated that instream water quality is in compliance with Water Quality Objectives, and timber harvest related disturbed areas no longer pose a threat to water quality.

## Reporting

Monitoring reports shall be submitted to the Regional Water Board on a semi-annual basis (Jan.- June and July-Dec.), by the 15th day of the month following the end of the six-month monitoring period. The monitoring reports shall be arranged in the format(s) approved by the Executive Officer. Analytical results that exceed waste discharge requirement specifications or prohibitions require an explanation.

Ordered by: \_\_\_\_\_  
Craig Johnson  
Assistant Executive Officer

November 16, 2000

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